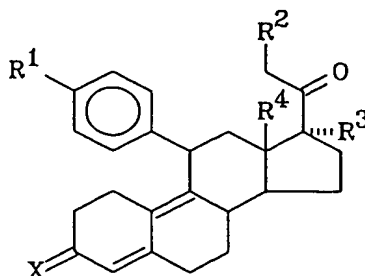


**21-SUBSTITUTED PROGESTERONE DERIVATIVES AS NEW
ANTIPROGESTATIONAL AGENTS**

ABSTRACT OF THE DISCLOSURE

A compound having the general formula:



in which: R¹ is a member selected from the group consisting of —OCH₃, —SCH₃, —N(CH₃)₂, —NHCH₃, —CHO, —COCH₃ and —CHOHCH₃; R² is a member selected from the group consisting of halogen, alkyl, acyl, hydroxy, alkoxy, acyloxy, alkyl carbonate, cypionyloxy, S-alkyl and S-acyl; R³ is a member selected from the group consisting of alkyl, hydroxy, alkoxy and acyloxy; R⁴ is a member selected from the group consisting of hydrogen and alkyl; and X is a member selected from the group consisting of =O and =N—OR⁵, wherein R⁵ is a member selected from the group consisting of hydrogen and alkyl.

In addition to providing the compounds of Formula I, the present invention provides methods wherein the compounds of Formula I are advantageously used, *inter alia*, to antagonize endogenous progesterone; to induce menses; to treat endometriosis; to treat dysmenorrhea; to treat endocrine hormone-dependent tumors; to treat uterine fibroids; to inhibit uterine endometrial proliferation; to induce labor; and for contraception.